Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No 2nd & Final bill

YNK-DBR No.....
Date.....

AEE, YSTSD
SBR No: 74/21-22
Date: 14/11/2022

Division: Yelahanka Division Sub Division: Yelahanka
Bill Received No..... Dated..... Cash Book Voucher No..... dated.....
Scheduled Docket No.....

Name of Work: Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettahalli in ward no-03 of Yelahanka Satellite Town Sub Division

Job Code No: 003-21-000019 P-3802 **Est. cost: 400.00 lakhs**

Name of Contractor and Full Address : Sri.J.Girish , Bangalore.

Work Order No: **BBMP/EE/YNK.D/EPMT-4/W.O/213/2020-21,** **Dated : 12-01-21**

Certified that the measurements were taken by me on 30.07.2022 and recorded in pages 493460 - 493468 of measurement Book No. 4935 and that the work is satisfactorily executed

Girish. Contractor

AE. Officer-in-charge of work

Certified that the measurements were taken by me on 30/07/2022 and found correct. The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಬಿಬಿಎಂಪಿ
ಸಹಾಯಕ ಅಭಿಯಂತರರು ಯಲಹಂಕ ಉಪವಿಭಾಗ
ಜಿ ಜಿ ಎಂ ಕ. ಬೆಂಗಳೂರು-106
Sub Division Officer

If Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being.....percent Rs.....
3) Deduct amount to be held in Balance
4) Deduct Payment :
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....
   Amount adjusted towards cash advance recovery of
   b) Payments cost store or other materials supplied.
   Now made recovery of amount creditable to this/other work
   Amount paid on this bill Cheque/Cash
5) Balance being unpaid value of work done held in reserve
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments
7) Net amount due to or from contractor

Unadjusted items

8) Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied

Gross Amt =Rs	7625000=00
FSD =Rs	—
CGST =Rs	68085=00
SGST =Rs	68085=00
IT =Rs	76250=00
BC =Rs	76250=00
LBC =Rs	7625=00
Penalty =Rs	19250=00
	80200=00
T.A. =Rs	395745=00
Net Amt=Rs	7229255=00

Girish. Contractor's Signature

Received Rs.....(in words)
By Cash and by adjustment of Payment as per memorandum.

Witnesses :

1.

2.

Dated..... Signature of Contractor

(For use in the Office)

Audited & Admitted For Rs. 7625000=00
By Ch Rs: 7229255=00 (In Words).....
For Rs. 395745=00. ...And by Adjustment

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Account Student 14/11

Exe Engineer B.B.M.P Bangalore

Initials of Officer Making Payment

Executive Engineer

Name of Work: Improvements to roads and Drains at Basavalingappa badavane and Rajiv Gandhinagara and Chikkabettanalli in ward -03 of Yelahanka Satellite Town Sub Division

ABSTRACT

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after	Cum	1542.10	225.94	348417.00	1542.10	348417.00	0.00	225.94	0.00	1542.10	348417.00
	Above 125%	Cum	54.58	225.94	12332.00	54.23	12253.00	0.00	225.94	0.00	54.23	12253.00
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. a) 40mm Jelly	Cum	0.00	1995.10	0.00	0.00	0.00	0.00	1995.10	0.00	0.00	0.00
3	b) 40mm Jelly	Cum	0.00	1995.10	0.00	0.00	0.00	0.00	1995.10	0.00	0.00	0.00
4	c) 20mm jelly	Cum	0.00	2782.22	0.00	0.00	0.00	0.00	2782.22	0.00	0.00	0.00
5	d) Fine Sand	Cum	0.00	2782.22	0.00	0.00	0.00	0.00	2782.22	0.00	0.00	0.00
6	e) 12.5mm chips	Cum	0.00	1995.10	0.00	0.00	0.00	0.00	1995.10	0.00	0.00	0.00
7	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : HDPE Grade PE80-PN6.0, 630 mm dia. (Perforated Pipe for Rain Water Harvesting Pit)	m	0.00	11358.02	0.00	0.00	0.00	0.00	11358.02	0.00	0.00	0.00
8	Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified indrawings or as approved by Engineer Incharge. Data Rate	Sqm	0.00	74.55	0.00	0.00	0.00	0.00	74.55	0.00	0.00	0.00
9	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications	Cum	847.95	5690.28	4825097.00	847.96	4825126.00	0.00	5690.28	0.00	847.96	4825126.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
10	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications	Cum	508.23	7420.17	3771156.00	508.23	3771156.00	0.00	7420.17	0.00	508.23	3771156.00
	Above 125%	Cum	9.85	7420.17	73058.00	9.83	72965.00	0.00	7420.17	0.00	9.83	72965.00
11	KSRRB M2200-6. Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as	Tn	31.54	77654.86	2449138.00	31.54	2449138.00	0.00	77654.86	0.00	31.54	2449138.00
	Above 125%	Tn	0.77	77654.86	59694.00	0.77	59627.00	0.00	77654.86	0.00	0.77	59627.00
12	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data	Sqm	1248.38	2452.68	3061867.00	1248.38	3061867.00	0.00	2452.68	0.00	1248.38	3061867.00
	Above 125%	Sqm	146.87	2452.68	360214.00	146.79	360030.00	0.00	2452.68	0.00	146.79	360030.00
13	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and	Sqm	81.00	5686.19	460582.00	81.00	460582.00	0.00	5686.19	0.00	81.00	460582.00
	Above 125%	Sqm	13.81	5686.19	78552.00	13.80	78470.00	0.00	5686.19	0.00	13.80	78470.00
14	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and	Nos	2361.25	453.89	1071743.00	2361.25	1071743.00	0.00	453.89	0.00	2361.25	1071743.00
	Above 125%	Nos	3445.75	453.89	1563984.00	3445.75	1563984.00	0.00	453.89	0.00	3445.75	1563984.00
15	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification	Sqm	318.75	89.00	28368.00	318.75	28368.00	0.00	89.00	0.00	318.75	28368.00
	Above 125%	Sqm	465.15	89.00	41398.00	465.15	41398.00	0.00	89.00	0.00	465.15	41398.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
16	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km	Cum	1665.75	67.11	111781.00	1665.75	111781.00	0.00	67.11	0.00	1665.75	111781.00
	Above 125%	Cum	852.19	67.11	57187.00	540.55	36274.00	310.78	67.11	20856.00	851.34	57130.00
17	KSRRB 300-46. Scarifying by mechanical means stone metal crust 50mm to 100mm thick by along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM complete as per specifications.(P.No-146,I	Sqm	0.00	43.39	0.00	0.00	0.00	0.00	43.39	0.00	0.00	0.00
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications	Cum	1279.31	2093.67	2678457.00	1094.05	2290586.00	185.10	2093.67	387546.00	1279.16	2678132.00
19	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	1918.97	2100.34	4030494.00	1641.08	3446833.00	277.66	2100.34	583177.00	1918.74	4030010.00
20	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.	Sqm	8528.75	31.15	265664.00	7293.69	227193.00	1231.30	31.15	38354.00	8524.99	265547.00
21	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / orcompressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications	Sqm	0.00	5.56	0.00	0.00	0.00	0.00	5.56	0.00	0.00	0.00
22	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications.	Sqm	8528.75	13.35	113856.00	0.00	0.00	8425.92	13.35	112483.00	8425.92	112483.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
23	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P.	Cum	DBM 426.44	6724.88	2867742.00	0.00	0.00	421.30	6724.88	2833164.00	421.30	2833164.00
24	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric	Cum	BC 341.15	7910.77	2698761.00	0.00	0.00	337.46	7910.77	2669543.00	337.46	2669543.00
25	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes	Sqm	266.31	477.25	127094.00	0.00	0.00	262.30	477.25	125183.00	262.30	125183.00
26	KSRRB M800-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000 kg tested in accordance to Specifications of Category A of MORTH Circular No RW/ NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 50 mm, 100 mm and 102 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30 mm) from the body is to be a minimum value of 500 Kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and	Nos	102.00	374.90	38241.00	0.00	0.00	102.00	374.90	38241.00	102.00	38241.00
27	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable	Cum	467.35	1010.86	472424.00	467.15	472226.00	0.00	1010.86	0.00	467.15	472226.00

Sl No	Description of Work	Unit	As per Modified Shedule -B			Previous measurement		Present Measurement			Up to date	
28	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction	Cum	581.97	5468.90	3182716.00	581.90	3182375.00	0.00	5468.90	0.00	581.90	3182375.00
	EIRL											
E1	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per	Cum	52.26	6031.81	315223.00	52.26	315223.00	0.00	6031.81	0.00	52.26	315223.00
	Total				35165240.00		28287615.00			6808547.00		35096162.00
	GST 12%				3881827.08		3056357.28			817025.64		3873382.92
	Grand Total				39047067.08		31343972.28			7625572.64		38969544.92

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

2cy. 157800

Ass.Engineer

Ass.Executive.Engineer